Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 19 Sep 2023 until 23:59 on Wednesday 20 Sep 2023

Forecast Issued on Tuesday 19 Sep 2023 at 00:22

Confidence: Moderate to high confidence for the generally changeble and autumnal feel. Moderate confidence in heaviest rainfall midweek, and details of more showery end to the working week.

Headline for Tuesday 19 Sep 2023: Wet and windy.

Mountain weather hazards on Tuesday 19 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** Low Likelihood
Gales High Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** High Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Drizzle	Drizzle
Precipitation probability					
90%	90%	90%	60%	50%	50%

Forecast for Tuesday 19 Sep 2023

Weather: Cloud rapidly thickening and descending, with gales over exposed ground bringing in driving rain through the morning. Remaining extensively cloudy and windy through the afternoon, although the rain should ease for a time later, with the driest conditions for the day as a whole then likely in the south and east. More general rain perhaps returning later in the evening.

Chance of cloud-free hill tops above 600m: Near nil, perhaps 40% in the south and east from later in the afternoon.

Low cloud and visibility: Extensive and persistent down to 500 metres on windward ground, with ragged cloud below this at times. Perhaps lifting narrowly clear of the tops in the south and east later in the afternoon.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Tuesday 19 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	32/42 SW	38/51 SW	34/46 SW	37/50 SW	32/45 SW	35/49 SW	35/49 SW
300	26/36 S	30/43 SW	26/39 SW	28/41 SW	24/37 SW	26/40 SW	27/40 SW
Valley	13/32 S	19/39 SW	16/35 SW	18/38 SW	16/35 SW	17/38 SW	18/38 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/3	11/6	13/8	13/8	12/8	12/7	13/7
300	11/7	13/9	15/11	15/10	15/11	15/10	15/10
Valley	11/8	14/10	15/13	16/12	15/13	15/12	16/12
Freezing Level*	2500m	3000m	3100m	3100m	2600m	2600m	3200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Strong winds at even modest elevation coupled with rivers in spate and extensive low cloud mean that activties are perhaps best confined to lower slopes.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Tue 19 Sep 2023	0mm	0mm	0mm

Forecast for Wednesday 20 Sep 2023

Weather: Extensively cloudy, wet and very windy during the morning, with the rain then very gradually moving southeast during the afternoon, and with winds gradually easing. Clearer conditions should follow from the northwest into the evening, with late clear spells and a few showers.

Maximum wind: Southwesterly 55mph, gradually easing.

Chance of cloud-free hill tops above 600m: 30% improving 60% later.

Low cloud and visibility: Extensive over the highest ground, with ragged patches below this. Becoming broken above higher peaks through the afternoon.

Temperature: **Valleys:** Plus twelve becoming 18 degrees Celsius.
At 600m: Plus 13 degrees Celsius.
Freezing level: Well above the peaks.

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